

RF and Microwave Products

| | | | |
|---|--|---|---|
|  | <p>Engineered RF Interconnect Systems</p> | <ul style="list-style-type: none"> • Modified standard RF connectors • Board to board RF connectors • RF Cable Assemblies | <ul style="list-style-type: none"> • True 75 ohm • Ruggedized (IP67) connectors and assemblies. |
|  | <p>RF, Microwave, and Millimeter Wave Components and Systems.</p> | <ul style="list-style-type: none"> • Amplifiers • Couplers, dividers • Delay Lines • Filters • Frequency Sources | <ul style="list-style-type: none"> • Multi-Function Assemblies • Switched Filter Banks • Switches • Thin Film Circuits (substrates, assemblies) |
|  | <p>Coaxial and SMT Resistive Components</p> | <ul style="list-style-type: none"> • Attenuators • Bias Tees • Couplers • DC Blocks | <ul style="list-style-type: none"> • Equalizers • Power Dividers • Terminations • Test Cables |
|  | <p>RF and Wireless Voice/Data Semiconductors</p> | <ul style="list-style-type: none"> • Voice Codecs • QAM, QPSK, GMSK Modems | <ul style="list-style-type: none"> • Modulators and Demodulators • Up/down converter • Marine AIS processor |
|  | <p>MMICs to 6GHz</p> | <ul style="list-style-type: none"> • Infrastructure LNAs • High power LNAs | <ul style="list-style-type: none"> • Broadband LNAs • High linearity gain blocks |
|  | <p>Semiconductors – RF Control Components</p> | <ul style="list-style-type: none"> • RF Switches • Power Limiters • Digitally Tunable Caps (DTC) | <ul style="list-style-type: none"> • Digital Step Attenuators (DSA) • Prescalers |
|  | <p>RF and Microwave Inductors</p> | <ul style="list-style-type: none"> • Wideband conicals • Air coils | <ul style="list-style-type: none"> • Fixed inductors (MIL-PRF-83446) • Tunable inductors (MIL-PRF-15305) |
|  | <p>PTFE/woven materials for microwave, RF, and high speed digital applications.</p> | <ul style="list-style-type: none"> • Extremely stable base and prepreg materials for rigid and flex circuits | <ul style="list-style-type: none"> • Ideal for high frequency, high power and low PIM designs |
|  | <p>MMICs to 100 GHz</p> | <ul style="list-style-type: none"> • LNAs/HPAs/MPAs • Switches • Digital Attenuators | <ul style="list-style-type: none"> • Detectors • IQ up/down converters • Foundry Services |

RF / Microwave Connectorized Components

| | | | | |
|--|--------------------------|--|---|------------------|
| Adapters | Amphenol RF API Inmet | | Dividers, Power | API Technologies |
| Amplifiers, High Power, High Linearity, Low Phase Noise, Low Cost, AGC, Limiting | API Technologies | | Filters - Cavity, Ceramic, Coaxial, Lumped Element, SAW, Suspended Substrate, Waveguide | API Technologies |
| Antennas, Patch and Planar | API Technologies | | Gain Equalizers | API Inmet |
| Attenuators, fixed | API Inmet | | Limiters | API Technologies |
| Bias Tees | API Inmet | | Mixers | API Technologies |
| Cable Assemblies | Amphenol RF | | Oscillators, PLOs, Multiplied PLOs DROs, CROs, SAW, VCOs, DCXOs, DTOs, FMOs, MROs | API Technologies |
| Cables, Test | Amphenol RF | | Opens and Shorts | API Inmet |
| Comb Generators | API Technologies | | Phase Shifters | API Technologies |
| Connectors, Coaxial | Amphenol RF | | Rotary Joints | API Technologies |
| Couplers | API Technologies | | Switches | API Technologies |
| DC Blocks | API Inmet | | Synthesizers | API Technologies |
| Delay Lines | API Technologies | | Terminations | Aeroflex Inmet |
| Detectors | API Technologies | | | |

RF / Microwave PCB Components

| | | | | |
|---|---|--|--|--|
| Amplifiers – LNAs, MPAs, HPAs, Gain blocks | API Technologies - Hybrid CML – 900 MHz PA Guerilla RF – MMIC's to 6GHz UMS – MMIC's to 85 GHz | | Inductors – Air Coils, Conicals, Tuneable, QPL | Piconics |
| Attenuators, Chip and Flange | Aeroflex Inmet | | Limiters | API Technologies Peregrine |
| Attenuators, Digital, Analog | API Technologies UMS – MMIC Peregrine – Digital Step | | Mixers | API Technologies UMS Peregrine |
| Demodulators – RF/IF | CML Microcircuits | | Modulators – RF Quadrature | CML Microcircuits |
| Detectors | API Technologies UMS – MMIC | | Multiplier - MMIC | UMS |
| Direct Conversion Receivers | CML Microcircuits | | Oscillators, SAW VCO - MMIC | API Technologies UMS |
| Diodes – Multiplier, Varactor, PIN | API Technologies | | Phase Shifter - MMIC | UMS Peregrine - Digital |
| Digital Tunable Capacitors | Peregrine | | Resistors | API Inmet |
| Down Converter - MMIC | UMS | | Switches | Peregrine – DC- 60GHz, High power, 50 and 75 ohm API Technologies Guerilla RF- to 3.8 GHz UMS – to 26 GHz |
| Filters – Cavity, Ceramic, Lumped Element, SAW, BAW | API Technologies | | Terminations – Chip | Aeroflex Inmet |
| Hybrid Couplers – Wireline, Wirepac | API Technologies | | Tranceivers | CML Microcircuits |

RF / Microwave Subsystems and Other

| | | | | |
|------------------------|------------------|--|-------------------------------|------------------|
| Active Array Unit | API Technologies | | Switched Filter Banks | API Technologies |
| Build To Print | API Technologies | | Switchable Multi Channel Amps | API Technologies |
| DFD's and IFM's | API Technologies | | Thin Film substrates and Assy | API Technologies |
| Filtered GPS LNA's | API Technologies | | Thick Film Substrate and Assy | API Technologies |
| Frequency Multipliers | API Technologies | | Up/Down Converters | API Technologies |
| S-Band Dual T/R Module | API Technologies | | Foundry Services, GaAs, GaN | UMS |